



WHERE CAN I FIND NWS GIS DATA?

The National Weather Service produces several data sets that are offered in formats available for GIS import. While not a comprehensive list, listed below are some of the most commonly used websites.

National Weather Service GIS Data

<http://www.weather.gov/gis/>

This site includes data for current weather, operational forecasts, flash-flood guidance and precipitation data.

NEXRAD Composites

<http://radar.weather.gov/ridge/GIS.html>

This site provides radar imagery in a geo-referenced format using associated "world" files.

Severe Weather Polygons

<http://www.nws.noaa.gov/regsci/gis/>

This site contains polygon data for tornadoes, severe thunderstorms, flash floods, and special marine warnings in sets of GIS Shapefiles, available in near real-time.

National Digital Forecast Database (NDFD)

<http://www.weather.gov/ndfd/technical.htm>

This database is a collection of gridded forecasts of sensible weather elements such as cloud cover, maximum temperature, etc.

National Climatic Data Center (NCDC)

<http://gis.ncdc.noaa.gov/geoportal>

This site is the largest active archive for weather data, including surface, upper air, and marine climate data.

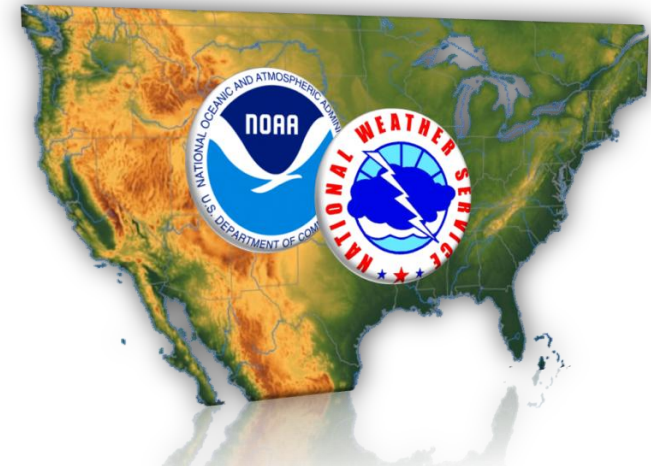
NOAA NWS MISSION

Provide weather, water, and climate forecasts and warnings for the United States, its territories, adjacent waters, and ocean areas, for the protection of life and property and the enhancement of the national economy.



NOAA's NATIONAL WEATHER SERVICE

GIS PRODUCTS & SERVICES



UNLEASH THE POTENTIAL OF NWS GIS!

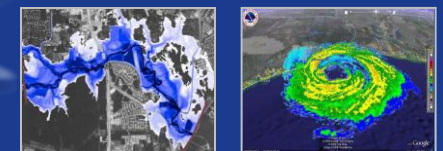
NATIONAL WEATHER SERVICE
CENTRAL REGION HEADQUARTERS
7220 NW 101ST TERRACE
KANSAS CITY, MO 64153

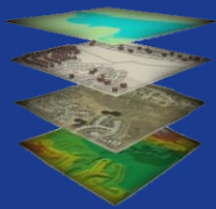
WWW.WEATHER.GOV
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AN OVERVIEW OF GIS PRODUCTS AND SERVICES AVAILABLE FROM THE NATIONAL WEATHER SERVICE





A geographic information system (GIS) integrates hardware, software, and data for capturing, managing, analyzing, and displaying all forms of geographically referenced information.

JUST A FEW EXAMPLES OF GIS DATA PROVIDED BY THE NATIONAL WEATHER SERVICE...

HOW DO I VIEW GIS DATA?

GIS is used across a wide range of professions and disciplines. Applications have ranged from land-use planning and wildlife habitat analysis to in-car navigation systems and market analysis.

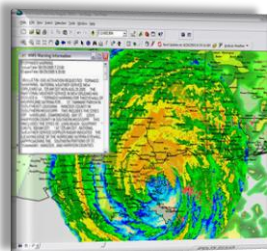
Utilizing National Weather Service (NWS) data in GIS applications has become an integral part of our agency. Most any type of weather information can be displayed through a GIS. This type of visualization tool can empower people to make more informed decisions that otherwise could not be made without the capabilities and analytical power provided by GIS.

The NWS continues its commitment to helping you achieve your goals through our many products and services available in GIS-compatible formats. To help shape future GIS products, feel free to provide input to us via the following website...
<https://ocwws.weather.gov/gis/index.php>.

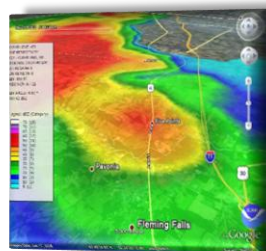


NDFD & TROPICAL FORECAST INFORMATION

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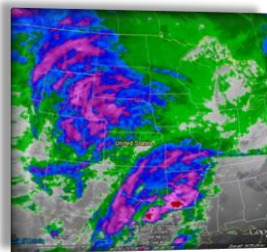
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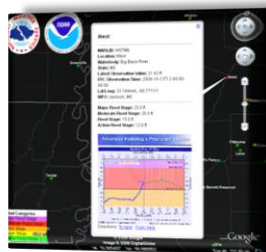
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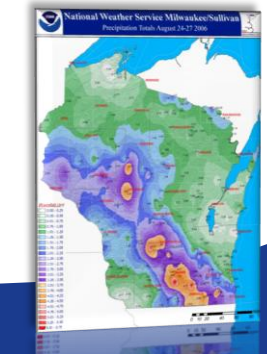
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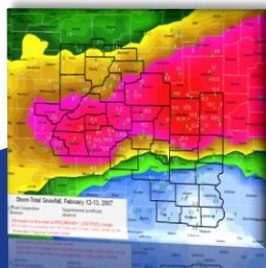
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Google Earth

<http://earth.google.com/>

The basic Google Earth download is free for anyone. Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain, and 3D buildings. You can explore rich geographical content, save your toured places, and share with others.



Environmental Systems Research Institute's (ESRI) ArcGIS

<http://www.esri.com/software/arcgis/>

This is an integrated family of software products available for purchase. It is used for building a complete GIS and lets you easily author data, maps, globes, and models on the desktop; publish them to a GIS server and/or share them online; and use them on the desktop, on the Web, or in the field.



Geographic Resources Analysis Support System (GRASS)

<http://grass.osgeo.org>

This is free Geographic Information System (GIS) software used for geospatial data management and analysis, image processing, graphics/maps production, spatial modeling, and visualization.

Other tools:



Bing Maps:
<http://www.bing.com/maps/>



NASA World Wind:
<http://worldwind.arc.nasa.gov/>



Google Maps:
<http://maps.google.com/>